WW II Veterans' Memorial Highway



40 YEARS IN THE MAKING





Project Purpose and Need

"...to relieve traffic congestion in Bennington and Old Bennington by separating through traffic on U.S. 7 and VT. 9 from traffic with a destination in the Bennington Urban Compact Area...."



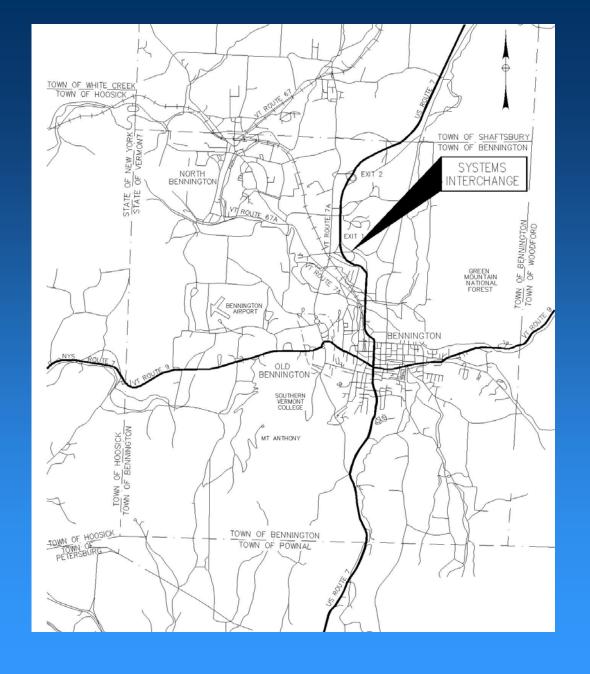
Bennington Downtown

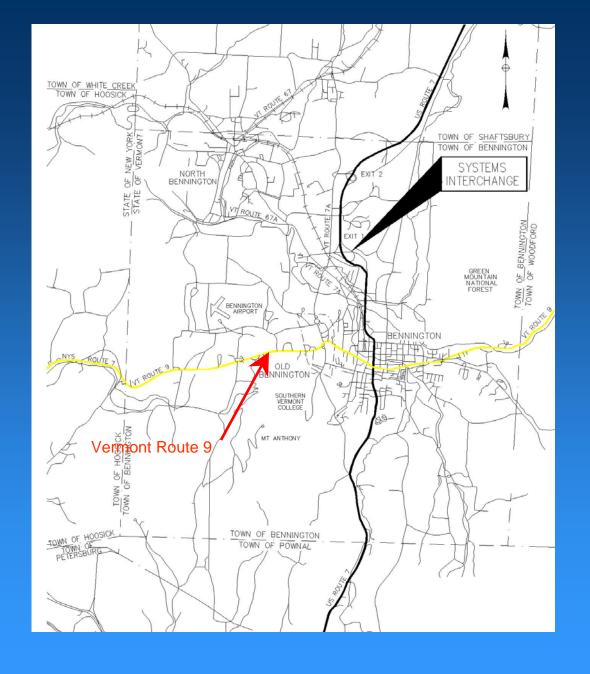


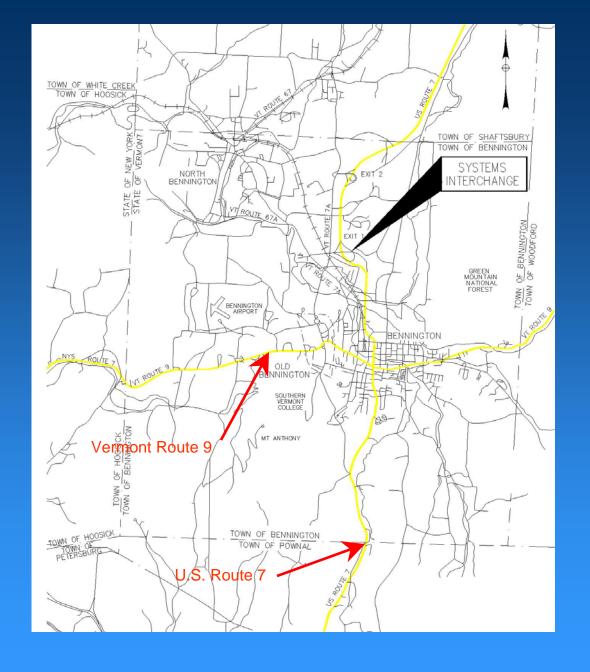


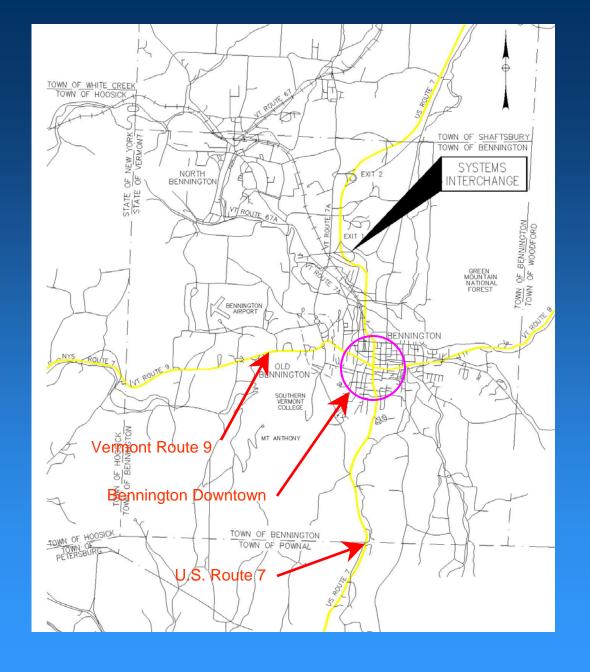
Bennington Downtown

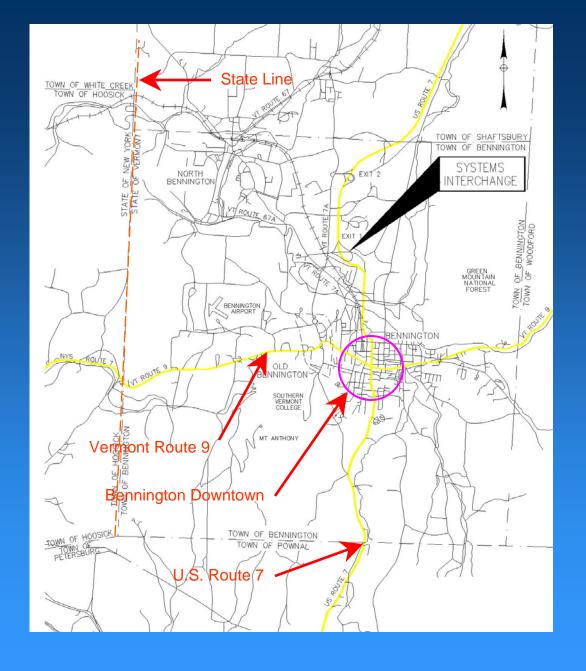




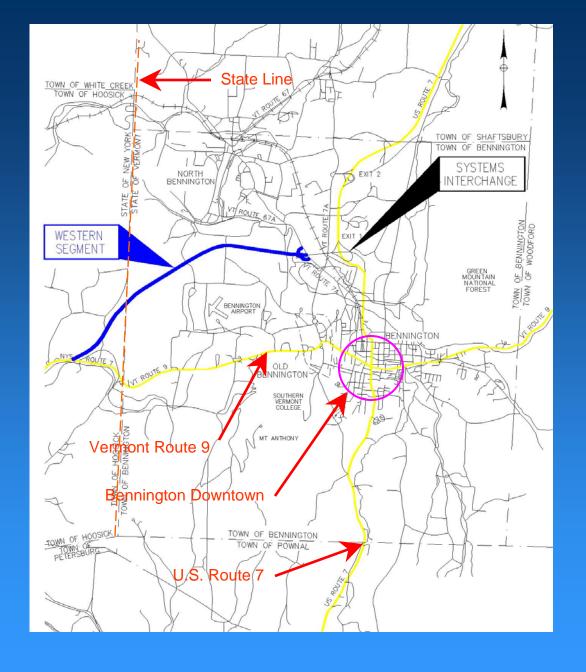




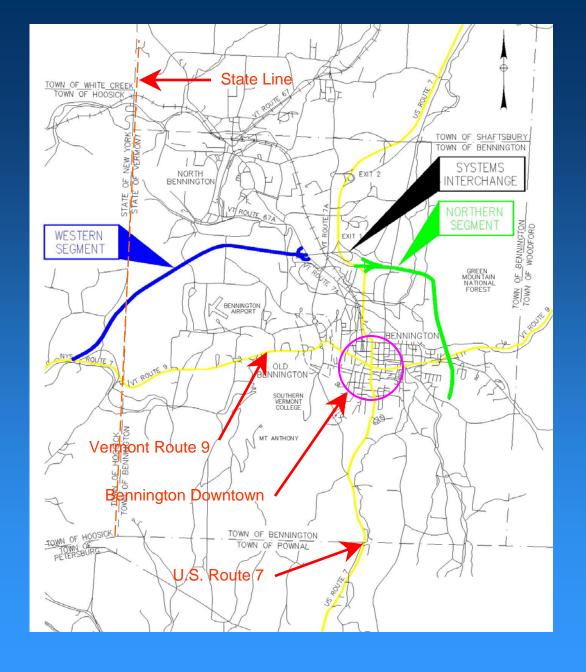




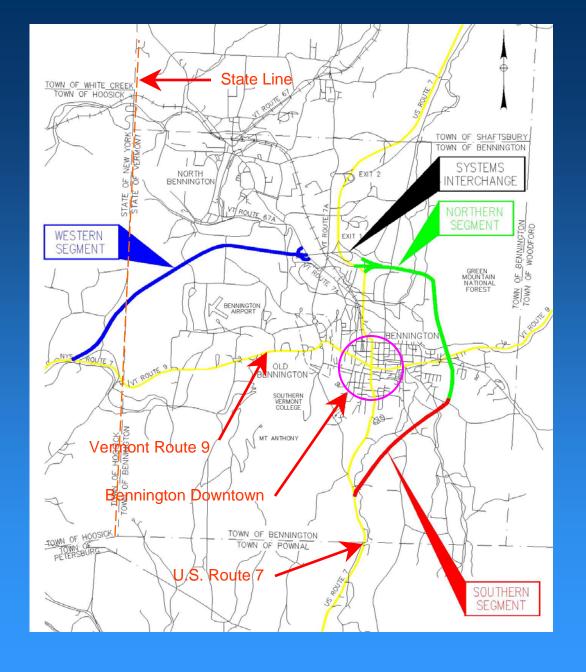








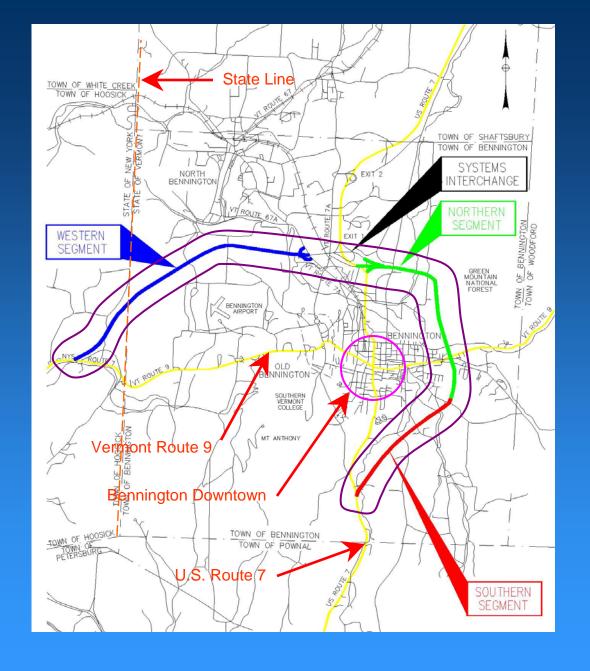


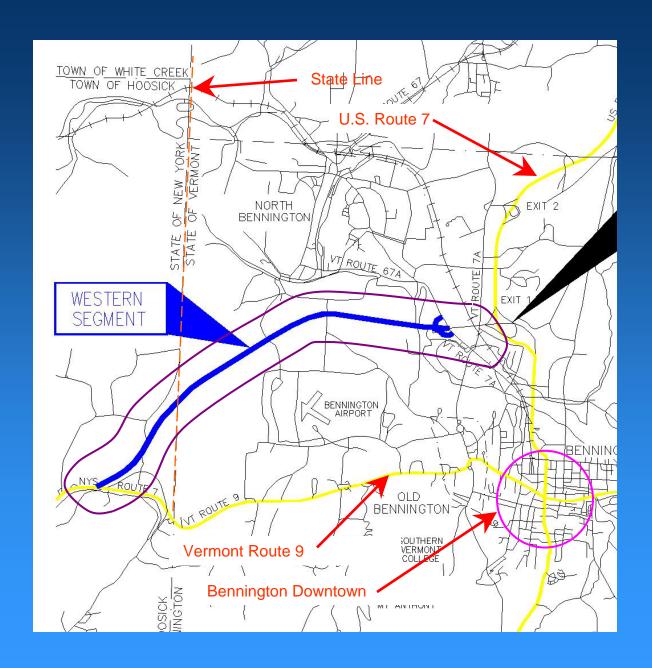




Approved a 2000' wide corridor









- Approved a 2000' wide corridor
- Limited access highway



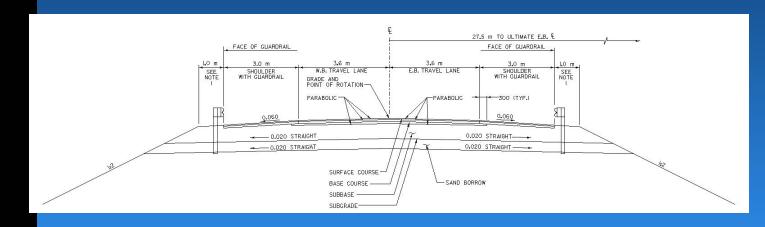
- Approved a 2000' wide corridor
- Limited access highway
- Mainline design speed was 60 m.p.h.



Maximum grade was 5% (in Vermont)



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- Typical section was two 12' lanes with 8' shoulders





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- Typical section was two 12' lanes with 8' shoulders
- Climbing lanes would be provided where required

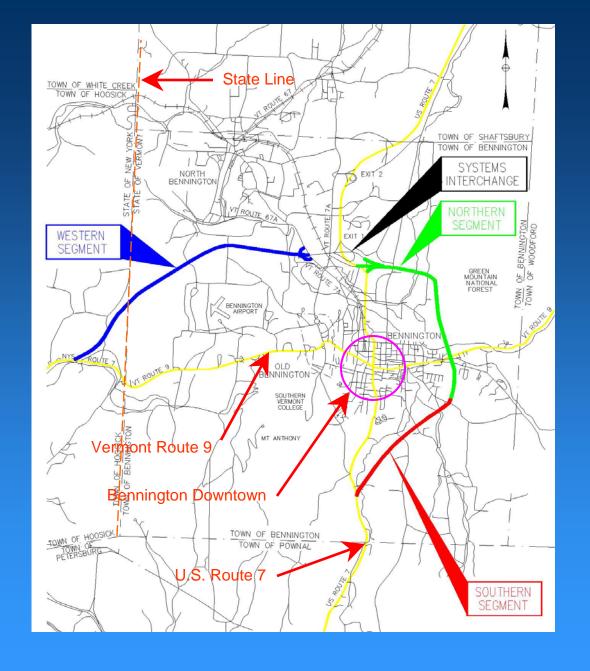


 Essential to obtain the necessary approvals to construct the project in either state



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- Earthwork connection to the Northern and Southern Segments







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- Earthwork connection to the Northern and Southern Segments
- Tall embankments rather than deep excavations for aesthetic purposes



Large radius curves to blend into the rolling terrain



View Looking West



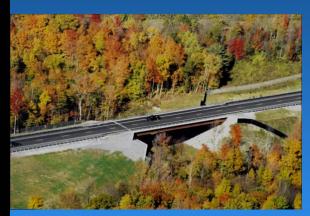


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- Environmentally sensitive brook crossings for fish, deer and small mammals



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- "Openness Equation"



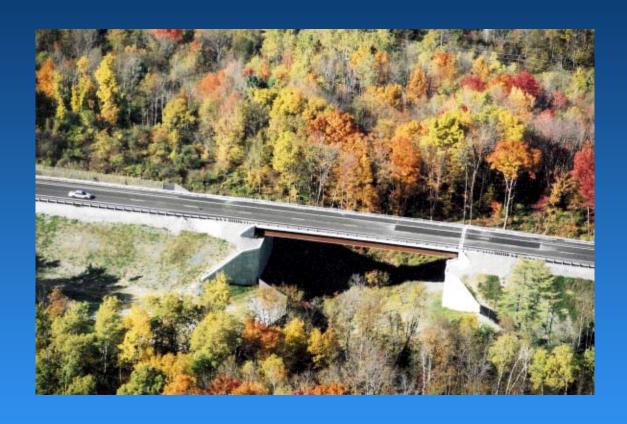


Airport Brook West



Airport Brook East













Airport Brook East





- Large radius curves to blend into the rolling terrain
- Environmentally sensitive brook crossings for fish, deer and small mammals
- "Openness Equation"
- Deer wintering habitat considerations



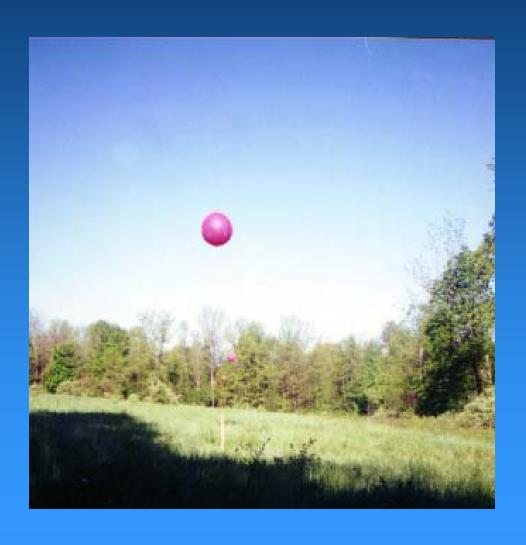




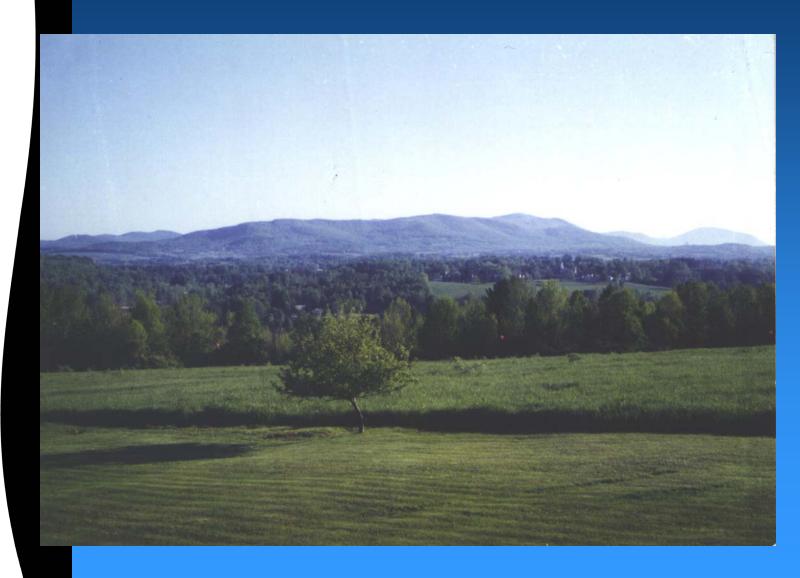
Context Sensitive Design

- Large radius curves to blend into the rolling terrain
- Environmentally sensitive brook crossings for fish, deer and small mammals
- "Openness Equation"
- Deer wintering habitat considerations
- Visual barrier constructed with earthen materials

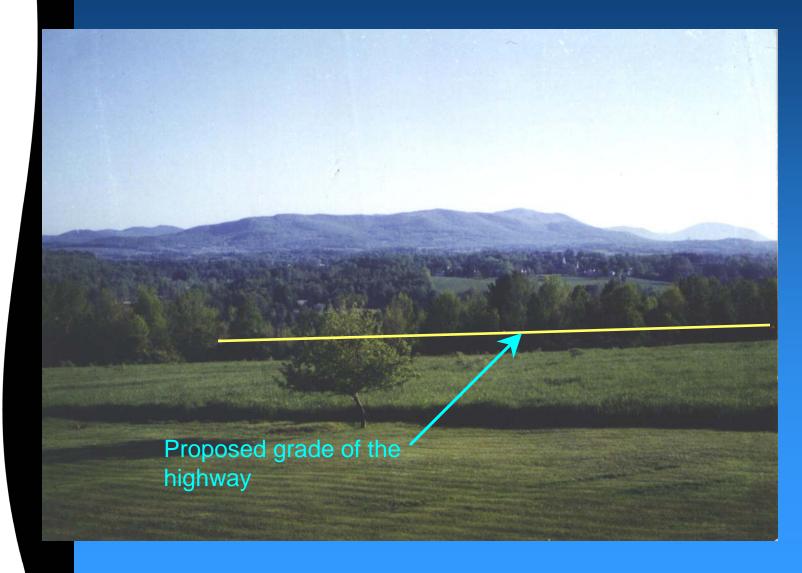




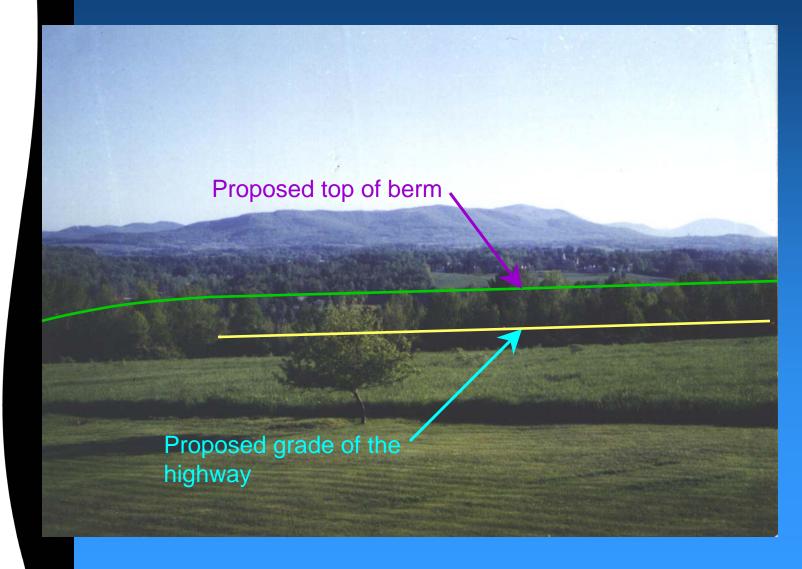








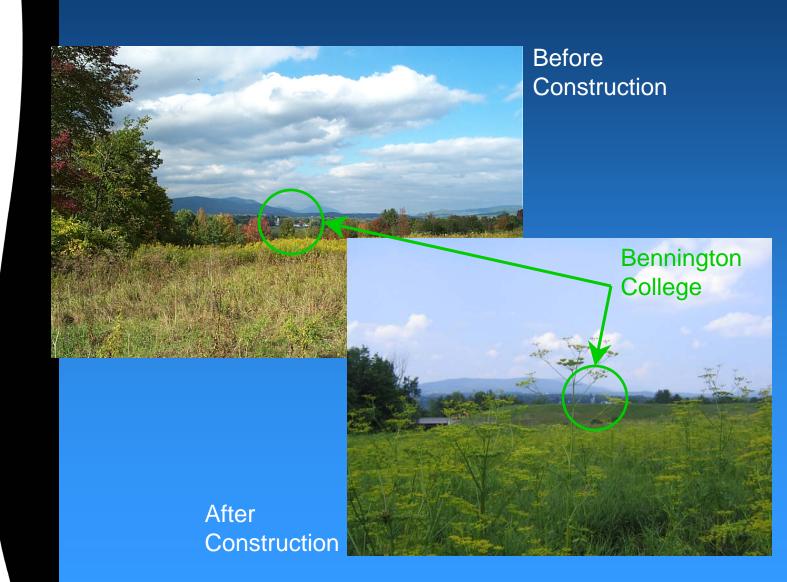










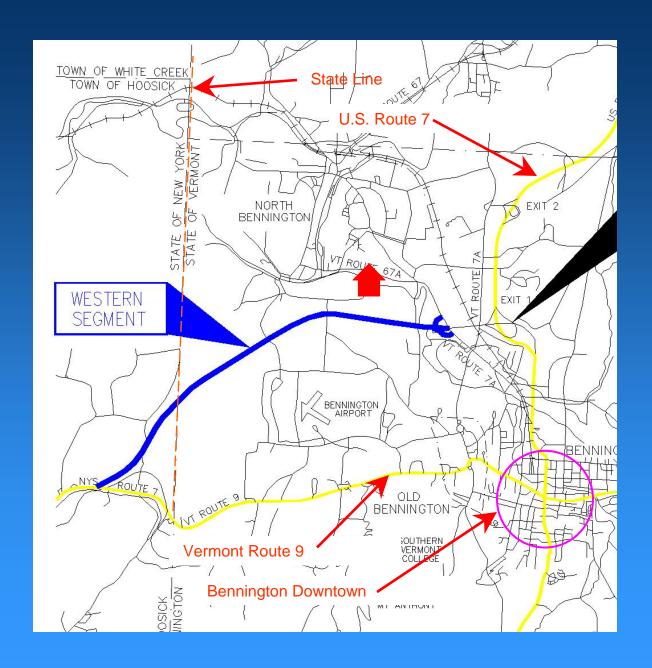


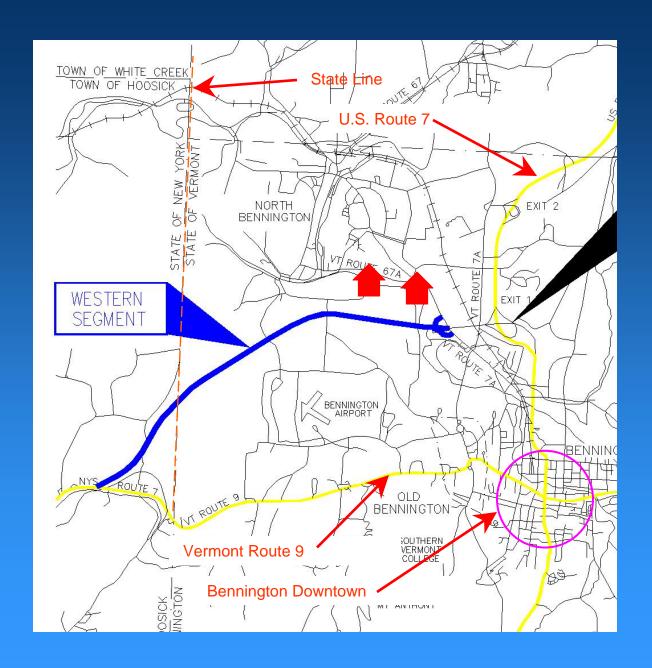


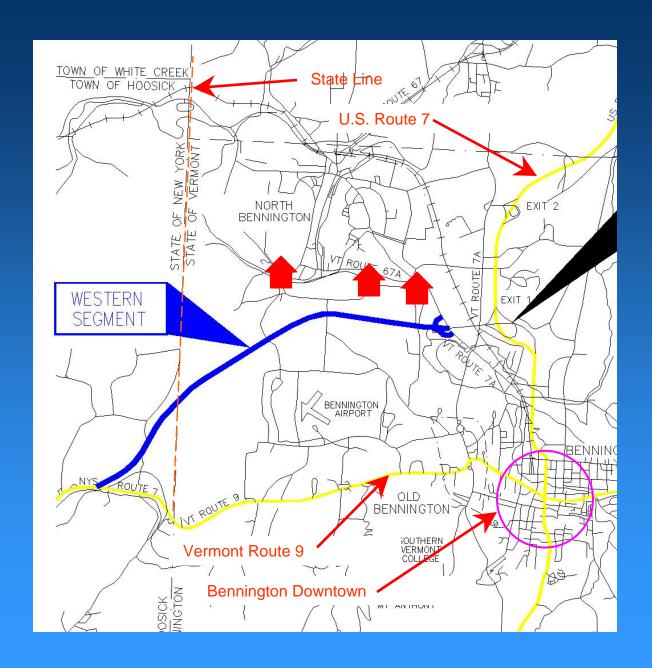
Limited construction site access



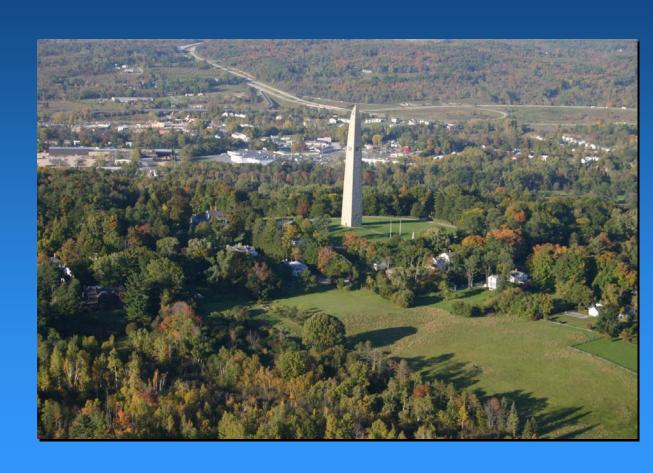


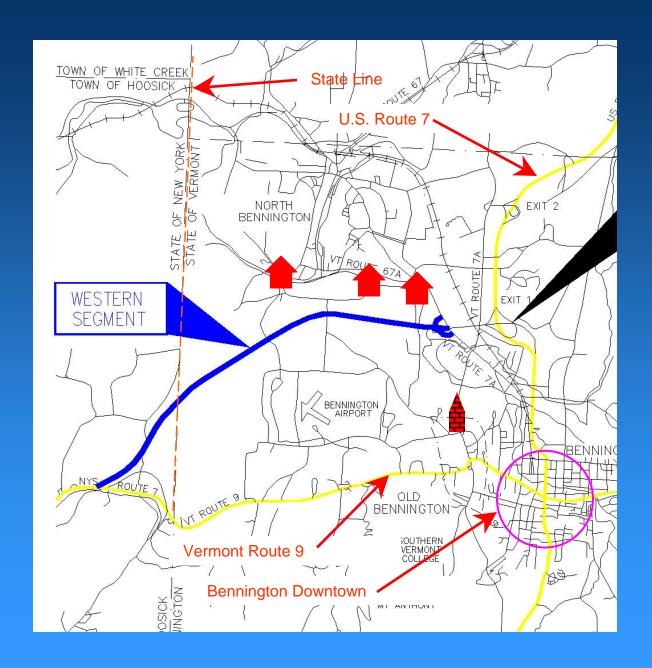














- Limited construction site access
- Rolling terrain and dense forest areas



View Looking West





- Limited construction site access
- Rolling terrain and dense forest areas
- Recycling native materials



Recycling Native Materials









- Limited construction site access
- Rolling terrain and dense forest areas
- Recycling native materials
- William E. Dailey, Inc. Hoosick plant



William E. Dailey, Inc.









William E. Dailey, Inc.







- Limited construction site access
- Rolling terrain and dense forest areas
- Recycling native materials
- William E. Dailey. Inc. Hoosick plant
- Separate wetland mitigation sites for NYSDEC and USCOE wetland impacts



NYSDEC Jurisdictional Wetland Mitigation Sites





Walloomsac River crossing

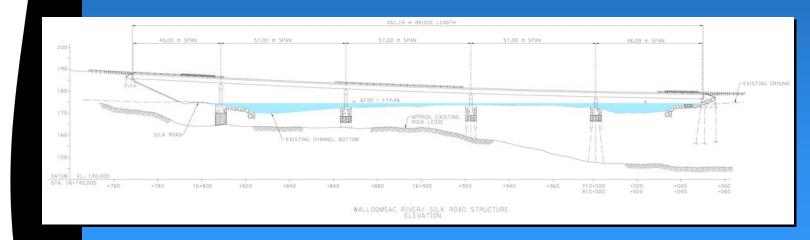


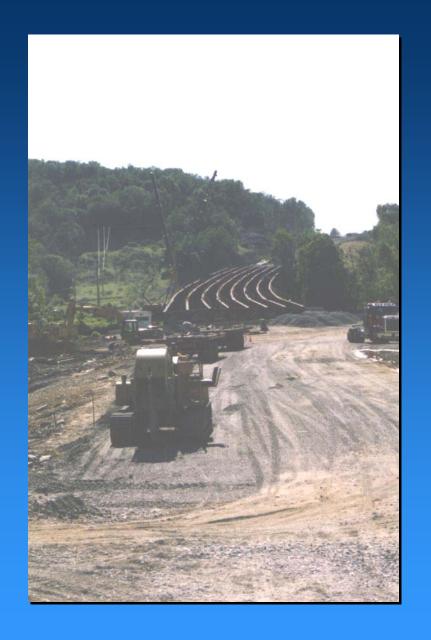
Walloomsac River crossing





















Meeting Strategies

 Provide a comprehensive agenda with adequate warning to all desired attendees



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- Document all meetings with a meeting summary and circulate in a timely manner to ensure concurrence



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- Document all meetings with a meeting summary and circulate in a timely manner to ensure concurrence
- Include action items clearly spelled out to facilitate buy-in from all parties

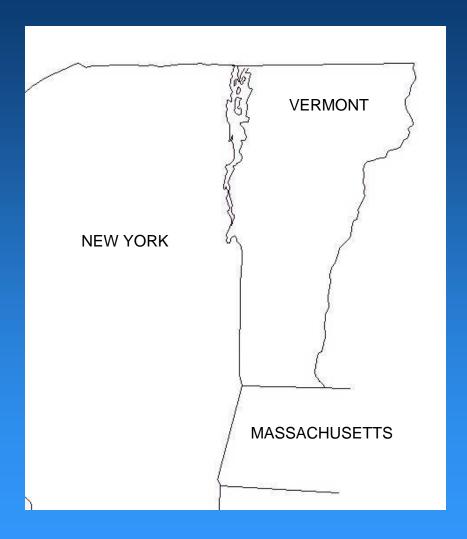


 Interval between meetings corresponding to the duration needed to complete critical tasks...avoid the monthly rut!

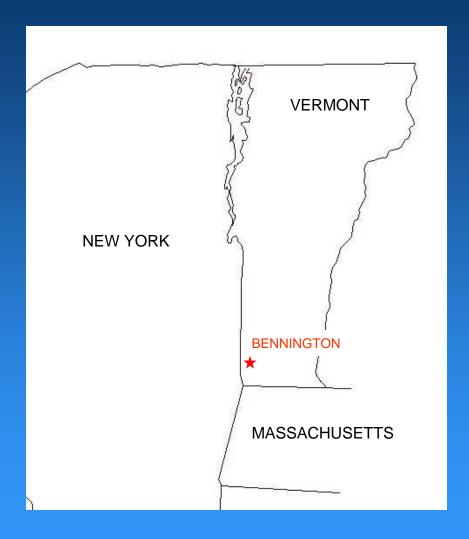


- Interval between meetings corresponding to the duration needed to complete critical tasks...avoid the monthly rut!
- Change the venue as necessary to facilitate involvement of key decision makers if critical attendees have conflicts

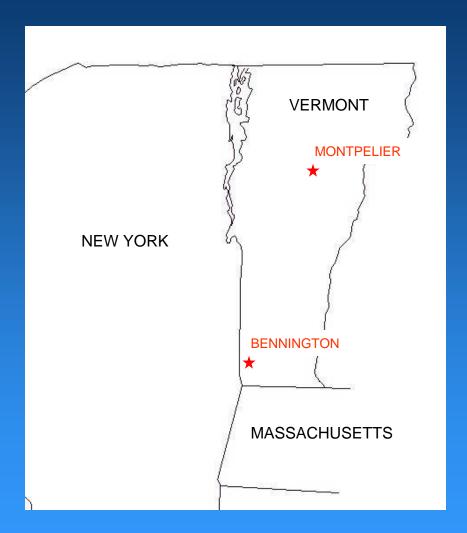




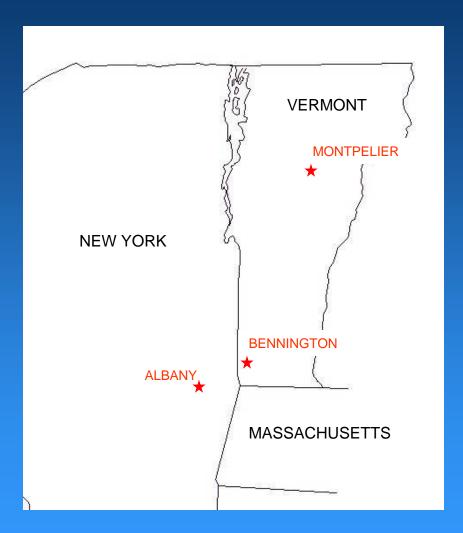




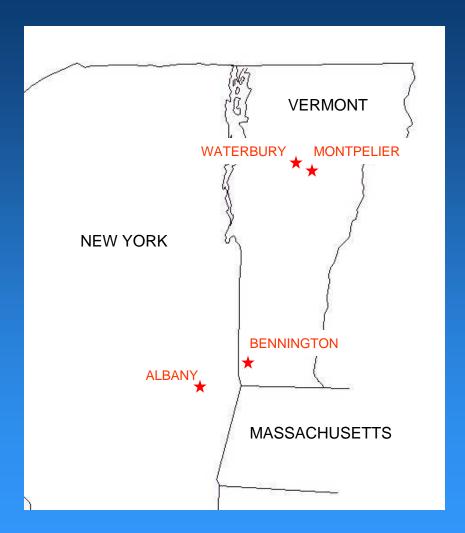














- Interval between meetings corresponding to the duration needed to complete critical tasks...avoid the monthly rut!
- Change the venue as necessary to facilitate involvement of key decision makers if critical attendees have conflicts
- Avoid "too many cooks"...don't cry wolf to critical attendees!



 Consider running two sets of meetings on staggered schedules to ensure advancement of complex tasks with "focus groups" without bogging down the entire group of decision makers

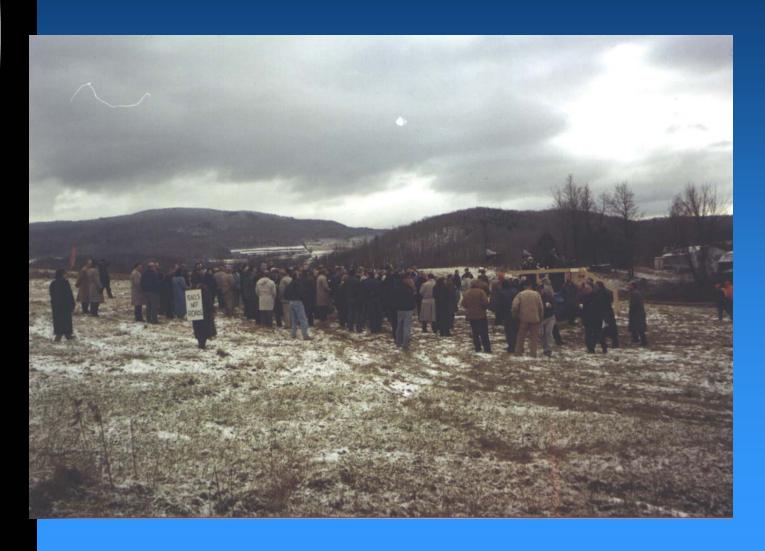








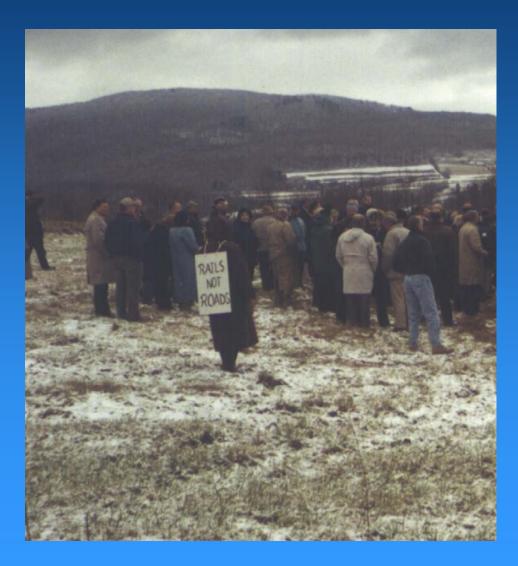














Finally...let the games begin!



 1.2 million cubic yards of earth and rock excavation



- 1.2 million cubic yards of earth and rock excavation
- 4.8 million pounds of bridge steel



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- 4.8 million tons of bridge steel
- 100,000 tons of asphalt



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- 9,400 cubic yards of concrete



- 1.2 million cubic yards of earth and rock excavation
- 4.8 million tons of bridge steel
- 100,000 tons of asphalt
- 9,400 cubic yards of concrete
- 70,000 cubic yards of embankment from the off-site borrow source located on the Northern Segment

















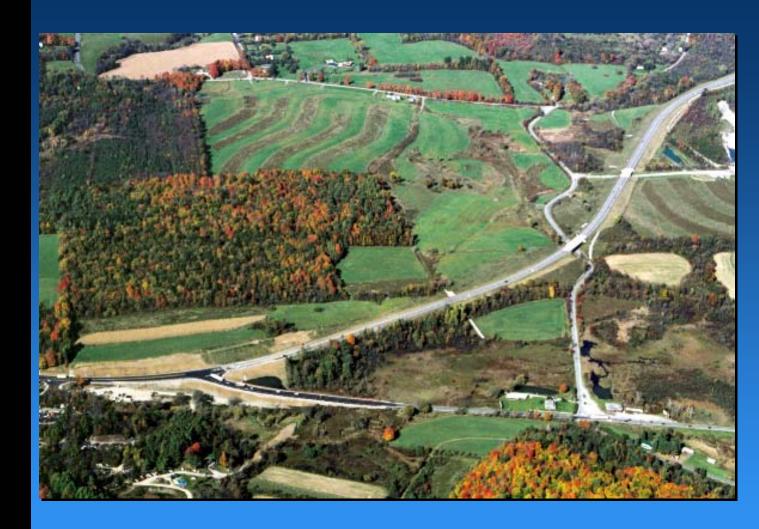




Ribbon Cutting October 18, 2004







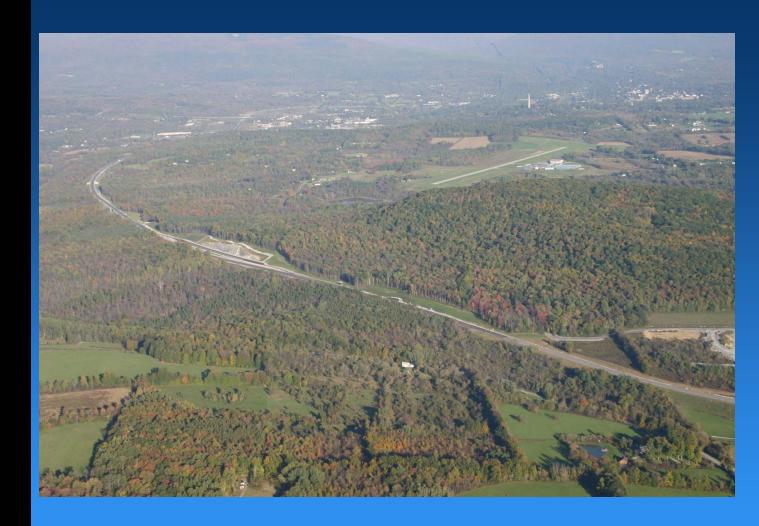




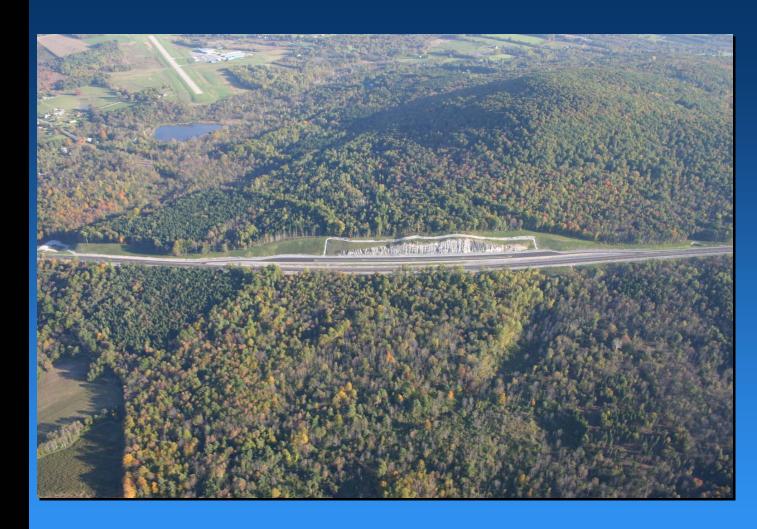




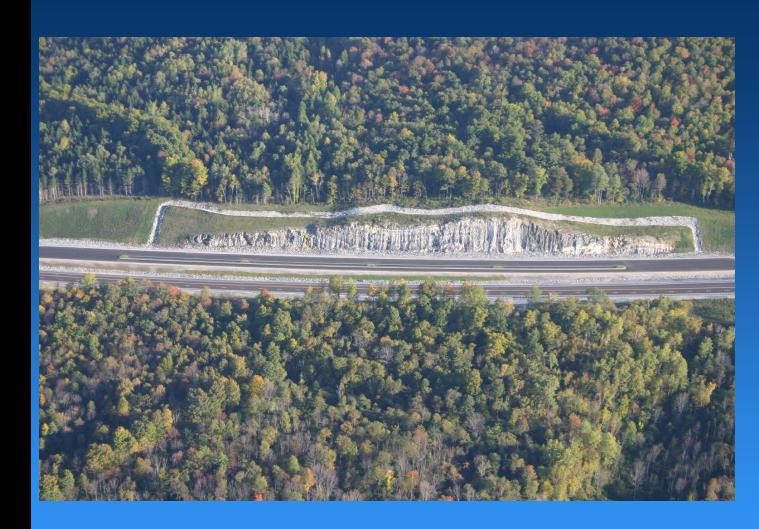




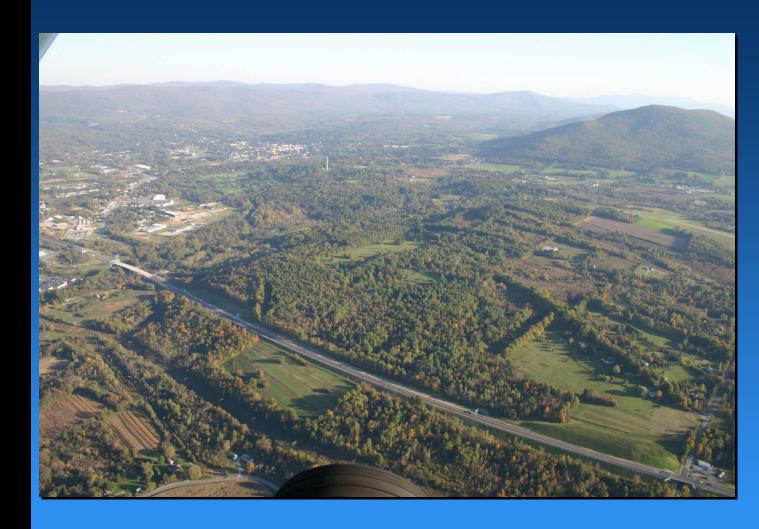






















Time for a quick test drive!

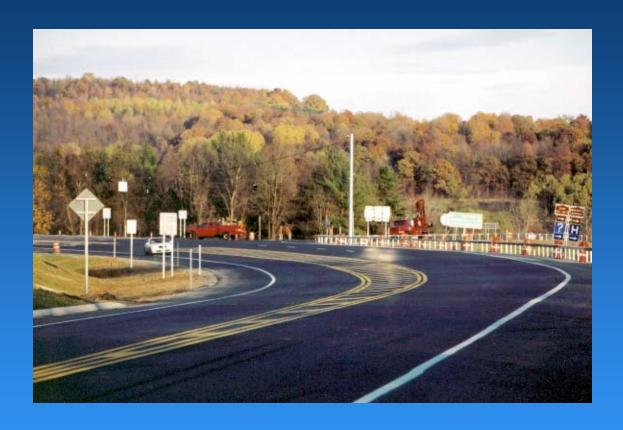




Time for a quick test drive!











CHA



CHA



















CHA































Closing Remarks



